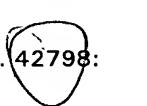


TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		ATTORNEY DOCKET NUMBER 7389/84086 U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/502 450 (New Application)
INTERNATIONAL APPLICATION NO. PCT/NL03/00046	INTERNATIONAL FILING DATE 22 January 2003	PRIORITY DATE CLAIMED 25 January 2002
TITLE OF INVENTION HEAT INTEGRATED DISTILLATION COLUMN		
APPLICANT(S) FOR DO/EO/US de GRAAUW et al.		
<p>Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:</p> <ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. Please do not delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1). 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)). <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input checked="" type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input checked="" type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). <p>Items 11. to 20. below concern document(s) or information included:</p> <ol style="list-style-type: none"> 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825. 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input type="checkbox"/> Other items or information: 		

July 23, 2004

U.S. APPLICATION NO. (if known, see 37 CFR 1.5)		INTERNATIONAL APPLICATION NO.			ATTORNEY DOCKET NUMBER																														
(New Application) 107502450		PCT/NL03/00046			7389/84086																														
17. <input checked="" type="checkbox"/> The following fees are submitted:						<u>CALCULATIONS PTO USE ONLY</u>																													
BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5)):																																			
Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1080.00																																			
International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO . . . \$ 920.00																																			
International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$ 770.00																																			
International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$ 730.00																																			
International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) \$ 100.00																																			
ENTER APPROPRIATE BASIC FEE AMOUNT =						\$ 920.00																													
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).						\$																													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CLAIMS</th> <th>NUMBER FILED</th> <th></th> <th>NUMBER EXTRA</th> <th></th> <th>RATE</th> <th></th> </tr> </thead> <tbody> <tr> <td>Total claims</td> <td>22</td> <td>- 20 =</td> <td>2</td> <td>x</td> <td>\$18.00</td> <td>\$ 36.00</td> </tr> <tr> <td>Independent Claims</td> <td>1</td> <td>- 3 =</td> <td>-2</td> <td>x</td> <td>\$86.00</td> <td>\$ 0.00</td> </tr> <tr> <td colspan="5">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td>\$290.00</td> <td>\$</td> </tr> </tbody> </table>						CLAIMS	NUMBER FILED		NUMBER EXTRA		RATE		Total claims	22	- 20 =	2	x	\$18.00	\$ 36.00	Independent Claims	1	- 3 =	-2	x	\$86.00	\$ 0.00	MULTIPLE DEPENDENT CLAIM(S) (if applicable)					\$290.00	\$		
CLAIMS	NUMBER FILED		NUMBER EXTRA		RATE																														
Total claims	22	- 20 =	2	x	\$18.00	\$ 36.00																													
Independent Claims	1	- 3 =	-2	x	\$86.00	\$ 0.00																													
MULTIPLE DEPENDENT CLAIM(S) (if applicable)					\$290.00	\$																													
TOTAL OF ABOVE CALCULATIONS =						\$ 956.00																													
Applicant(s) assert entitlement to Small Entity Status (37 CFR 1.27), thus reducing the filing fee by half to:						\$ 0.00																													
SUBTOTAL =						\$ 956.00																													
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).						\$																													
TOTAL NATIONAL FEE =						\$ 956.00																													
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property.						\$																													
TOTAL FEES ENCLOSED =						\$ 956.00																													
AMOUNT TO BE:						Refunded	\$																												
						Charged	\$956.00																												
18. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.																																			
19. <input checked="" type="checkbox"/> Please charge my Deposit Account No. 06-1135, under Order No. 7389/84086, in the amount of \$ <u>956.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.																																			
20. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 06-1135. A duplicate copy of this sheet is enclosed.																																			
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.																																			
SEND ALL CORRESPONDENCE TO CUSTOMER NO. <u>42798</u> : 																																			
FITCH, EVEN, TABIN & FLANNERY P.O. Box 65973 Washington, D.C. 20035 U.S.A.				<p>SIGNATURE Kendrew H. Colton NAME 30,368 REGISTRATION NUMBER</p>																															
Telephone: (202) 419-7000 Facsimile: (202) 419-7007																																			